

# PUBLIC NOTICE

**PERMIT APPLICATION:** NRS #02-320(A-F)

**APPLICANT:** State of Tennessee  
Department of Transportation  
Environmental Planning and Permits Division  
Suite 900, J. K Polk Bldg.  
505 Deaderick Street  
Nashville, TN 37243-0334  
615/253-2477

**LOCATION:** SR-169 (Middlebrook Pike) from Hardin Valley Rd. to Cedar Bluff Rd.  
Knox County

**WATERSHED DESCRIPTION:** The Plumb Creek watershed consists of rural and agricultural runoff. Land use is predominantly agricultural and residential. The unnamed tributaries that would be altered are similar in characteristics to the receiving stream. The silt/gravel-bottom streambed of Plumb Creek is approximately 20-25 feet wide with 6-10 foot banks. The existing vegetation along the stream channel is small trees and herbaceous with some wetland along the unnamed tributaries.

**PROJECT DESCRIPTION:** The applicant proposes to widen SR-169 (Middlebrook Pike) along the existing alignment for public use. Standard erosion control devices would be used to prevent sediment from entering flowing water. Upon completion of the work, all disturbed areas would be stabilized.

- (a) Station 10+506+/- to Sta. 10+631+/- (Rt.): Plumb Creek. Existing channel length is 466 ft (443 ft of open channel plus 23 ft of 2 @ 5 ft. pipe culvert). Proposed 308 ft. of channel relocation plus 112 ft. of channel alteration plus 26 ft. of 2 @ 5 ft. pipe culvert. TDOT proposes to mitigate open channel relocation at a 1:1 ratio for 308 ft. and the 112 ft. of channel alteration with riparian plantings.
- (b) Station 10+860+/- (Rt.) (Lovell Rd): Plumb Creek. Existing channel length = 164 ft. Proposed 128 ft. of 2 @ 15ft. X 4 ft. box culvert.
- (c) Station 10+875+/- (Rt.) (Lovell Rd): Unnamed tributary of Plumb Creek. Existing is 30 ft. of 4 ft. pipe. Proposed is 130 ft. of 5 ft. concrete pipe.
- (d) Station 10+920+/-: Wetland on unnamed tributary to Plumb Creek. Permanent impact to wetland will be 0.0576 ac. Associated with this impact will be 210 ft. of open channel relocation plus 101 ft. of 4 ft. concrete pipe, and 35 ft. of 2 ft. concrete pipe.
- (e) Station 11+023+/- (Rt.): Unnamed tributary to Plumb Creek and wetlands. Permanent wetland impact = 0.0057 ac. Temporary impacts = 0.0044 ac.
- (f) Station 11+490+/- (Rt.) to Sta. 11+640+/- (Rt.): Wetland on unnamed tributary to Plumb Creek. Permanent impacts to wetlands = 0.0880 ac. Temporary impacts = 0.0383 ac. Associated with this site is a proposed 115 ft. of 4 ft. concrete pipe plus 165 ft. of 13 ft. X 4 ft. box culvert at Sta. 11+728+/-.

TDOT proposes to mitigate for relocated streams by replacement with a created stream channel similar to the original stream using a 1:1 ratio. Returning the affected wetlands to original elevation and seeding shall mitigate temporary wetlands impacts. Permanent wetlands impacts shall be mitigated by debiting at a 2:1 ratio (0.30 ac.) from the Shady Valley Wetlands Mitigation Bank. Stream loss through culverting or relocation that is not mitigated on site (303 ft.) will be mitigated through the in-lieu fee program.

**PERMIT COORDINATOR:** Brian Canada

**USGS TOPOGRAPHIC QUADRANGLE:** Bearden, TN (168-NE)

